

49370 to 49383—Continued.

49381. *PENNISETUM COMPLANATUM* (Nees.) Hemsl. Poaceæ. Grass.

“(No. 259a. Tucuru, Alta Vera Paz. January 12, 1920.) *Kux kub*. Seeds of a foxtail occurring in pastures of Finca Samac, near Coban, Alta Vera Paz. It grows about 3 feet high and is said to be good forage.”

49382. *PENNISETUM DISTACHYUM* (Fourr.) Rupr. Poaceæ. Grass.

“(No. 260a. Tucuru, Alta Vera Paz. January 12, 1920.) *Xul aj*. Seeds of a large grass occurring along ravines and in half-shady places, Finca Samac, near Coban. It grows to 6 feet in height, with leaves an inch broad, and seeds abundantly. It looks like a valuable forage grass.”

49383. *PERSEA DONNELL-SMITHII* Mez. Lauraceæ.

“(No. 248a. Tucuru, Alta Vera Paz. January 12, 1920.) *Oh-mash* (Kekchi, for ‘monkey avocado’). A wild species of *Persea* found in the valley of Tactic (where these seeds were obtained) and abundantly on the mountains between Tactic and Coban, principally in open places.

“This is a slender tree up to 40 feet in height (commonly about 25 feet), with large oblong-obovate leaves, reddish pubescent beneath, and small terminal panicles of black fruits the size and shape of peas. While its fruit is not edible or useful in any way, the species is of interest as a relative of the avocado and may have value as a stock for the latter, especially for wet lands. Its degree of frost resistance is unknown, but the fact that it occurs in the zone of the Guatemalan avocado indicates that it will probably be as hardy as the latter and maybe even harder.”

49384. *CALLILEPIS* sp. Asteraceæ.

From Nelspruit, Transvaal. Seeds collected by Dr. H. L. Shantz, Agricultural Explorer for the Bureau of Plant Industry. Received January 29, 1920.

“(No. 186. Nelspruit, Transvaal. October 20, 1920.) A composite about 10 to 14 inches high, with almost white chrysanthemumlike flowers.” (*Shantz*.)

49385 to 49401.

From Guatemala. Collected by Wilson Popenoe, Agricultural Explorer for the Bureau of Plant Industry. Received February 9, 1920. Quoted notes by Mr. Popenoe.

49385. *POLYGALA FLORIBUNDA* Benth. Polygalaceæ. Chupak.

“(No. 268a. Tucuru, Alta Vera Paz. January 18, 1920.) *Chupak*. Seeds of a handsome shrub, wild and cultivated in Vera Paz. It sends up stems about 6 feet in height, each one terminating in a large loose panicle of purplish flowers. Since it is of easy culture and blooms nearly all the year it is considered a desirable ornamental by Europeans in this region. Its roots are used in place of soap. Presented by Mrs. Gustavo Helmrich, of Finca Samac, near Coban.”

For previous introduction, see S. P. I. No. 44683.

49386. *RANDIA ACULEATA* L. Rubiaceæ.

“(No. 269a. Tucuru, Alta Vera Paz. January 18, 1920.) Seeds of a shrub which I have seen only in the vicinity of Purula, Baja Vera Paz. It grows in the edge of the forest, occasionally in the open, and seems to thrive on lots of moisture. It is interesting because of its formal appearance and symmetrical growth, which strongly resembles *Buxus*. It should make an excellent hedge plant and for specimen plants in a